

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
 Data File : VU034750.D
 Acq On : 23 Sep 2019 22:06
 Operator : JC/SP
 Sample : K4932-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDG8

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 12:48:20 PM

Quant Time: Sep 24 16:27:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 24 03:36:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	494055	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	467391	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	224480	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	204684	40.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.94%
7) Chloroethane-d5	1.67	69	169046	43.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.48%
11) 1,1-Dichloroethene-d2	2.26	63	285048	33.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.56%
21) 2-Butanone-d5	4.15	46	359603	92.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.77%
24) Chloroform-d	4.65	84	19260	2.62	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	5.24%#
26) 1,2-Dichloroethane-d4	5.29	65	265411	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.20%
32) Benzene-d6	5.32	84	734928	50.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.46%
36) 1,2-Dichloropropane-d6	6.31	67	259904	51.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.66%
41) Toluene-d8	7.54	98	697354	50.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	7.83	79	120893	49.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.70%
47) 2-Hexanone-d5	8.29	63	210350	82.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.71%
57) 1,1,2,2-Tetrachloroethane-	10.40	84	2508m	0.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	0.72%#
64) 1,2-Dichlorobenzene-d4	11.84	152	255123	54.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	67837	15.044	ug/L	97
16) Methylene chloride	2.69	84	132415	32.339	ug/L	99
20) cis-1,2-Dichloroethene	4.21	96	12643	3.060	ug/L	83
22) 2-Butanone	4.25	43	19715	3.675	ug/L	91
25) Chloroform	4.65	83	340900	42.700	ug/L	100
29) Cyclohexane	4.97	56	26852	3.481	ug/L	99
33) Benzene	5.37	78	410105	25.299	ug/L	100
34) Trichloroethene	6.16	95	71783	17.930	ug/L	94
35) Methylcyclohexane	6.39	83	24850	3.658	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	211205	22.919	ug/L	98
42) Toluene	7.61	91	2243972	128.089	ug/L	98
46) Tetrachloroethene	8.21	164	12770	4.535	ug/L	97
51) Chlorobenzene	9.10	112	11311	1.062	ug/L	99
52) Ethylbenzene	9.23	91	578399	29.319	ug/L	99
53) m,p-Xylene	9.35	106	843618	120.733	ug/L	98
54) o-xylene	9.76	106	516448	74.727	ug/L	98
56) Isopropylbenzene	10.14	105	61065	3.277	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,4-Dichlorobenzene	11.48	146	12931	1.633	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	89395	11.381	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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